Subject Index Volume 72

Abdominal obesity, 1436

Absorption

of folate, 154

of iron in pregnancy, 257S

of long-chain fatty acids, 174

the aging process and, 529S

N-Acetyl-L-cysteine, exercise and, 653S

α₁-Acid glycoprotein, 146, 1164

Acquired immunodeficiency syndrome

BIA phase angle as predictive marker in, 496

measuring lean body mass and, 1053

selected nutrients and, 809

Acrid compounds, 1424

Acute phase proteins

vitamin A and, 146

vitamin A status and, 1164 Acute phase response, vitamin A status and, 1170

Acute renutrition, aging and, 816

Acylcarnitine, exercise and, 618S

Adaptation, in iron absorption, 982

Adipose tissue

exercise and lipid metabolism, 558S

risk factors for increase in, 378

Adiposity, serum leptin concentrations and, 484

Adolescence, energy and fat intakes of, 1343S

Adolescent development, effects of diet and physical activity on, 521S

Adolescent pregnancy, leptin and maternal growth during, 1542 Adolescents

atherosclerosis in, 1307S

body mass index, 1018

cognitive function and, 762

genetic polymorphisms and, 1275S

growth and body composition of, 1455

high trunk fat mass in, 490

overweight and, 1186

Adult adiposity, among African Americans, 335 (Editorial)

Adults

digestion of resistant starch, 432

nitrogen utilization in, 954

vitamin C status and mortality in, 139

Aerobic capacity, iron status and, 594S

African American women, dietary fat and, 56

African Americans

adult adiposity and, 335 (Editorial)

birth weight and, 335 (Editorial)

estimates of body fat in girls, 348

increased adiposity in, 378

socioeconomic class and, 335 (Editorial)

Aged, renutrition and, 816

Aging

as a modifier of metabolism, 529S

energy metabolism and, 946

renutrition and, 816

vitamin D deficiency and, 1529

AIDS. See Acquired immunodeficiency syndrome

Alcohol

chronic treatment, 190

HIV progression and, 809

Allium vegetables, cancer prevention and, 1047

Amino acid balance, 1236 (Letter)

Amino acid losses, during intradialytic parenteral nutrition,

1237 (Letter)

Amino acid requirements, wheat protein utilization, 112

Amino acid supplementation, 96

Amino acid transport, protein supplements and exercise, 551S

Amino acids

nitrogen utilization and, 954

oral tracer studies and, 122

sex-related differences in, 22

Anemia

adaptation in iron absorption, 982

during pregnancy, 265S

etiology of, 247S

exercise and, 594S

iron during pregnancy, 272S

maternal mortality and, 212S

Anorexia nervosa, in patients near death, 355

Anthelmintic drugs, vitamin A and, 455

Anthropometry

overweight among preschool children, 1032

trunk fat in children, 490

α₁-Antichymotrypsin, 1164

Antiinflammatory effects, 804

Antioxidant status, in selenium-deficient PKU and HPA patients, 976

Antioxidant vitamins, risk of death from stroke and, 476

Antioxidants

dietary supplementation and, 507S

exercise and, 653S, 670S

exercise performance and, 624S

isoflavones in soy, 395

HIV progression and, 809

mortality and, 139

status after high-dose chemotherapy, 181

stroke and, 337 (Editorial)

Antroduodenal motility, fiber-supplemented formulas and, 1040

Aorta, atherosclerosis in youth, 1307S

Apolipoprotein A-I, 1275S

Apolipoprotein A-IV, 1275S

Apolipoprotein B, 1275S

Apolipoprotein B-100, human one-carbon metabolism and, 1535

Apolipoprotein C-III, 1275S

Apolipoprotein E, 1275S

in macrophages, 190

Appetite, carbohydrates and, 1461

Arginine, insulin secretion and, 96

Arteriosclerosis, isoflavones and, 395

Ascorbic acid

intake among physicians, 969

status of, 139

Asian diet, fat intake in, 1373S

Astringent compounds, 1424

Atherogenesis, lipid and macrophage accumulations in, 1297S

Atherogenic lipoproteins, B-glucan and, 49

Atheroma, the development of atherosclerosis and, 1297S

Atherosclerosis

in youth, 1307S

isoflavones and, 395

of apolipoprotein E, 190

postprandial lipids and, 1119

Athlete, diet and physical activity of, 521S

Athletic performance, supplemental carnitine and, 618S

Athletic training, effect on growth and pubertal

development, 521S

ATP resynthesis, exercise performance and, 607S

Australian Aborigines, dietary patterns and nutrition, 1361S

Baboons, parenteral cysteine and glutathione feeding in, 1548

Baltimore, vitamin D deficiency in older women, 1529

Bangladesh, infant growth patterns in, 1010

Basal metabolic rate, fat intake and, 1246S

Benin, mental performance of schoolchildren in, 1179

Beverages, energy and fat intakes, 1343S

Bifidobacterium, physiologic function and, 1503

Bile deficiency, fatty acid malabsorption in, 174

Bile

dietary fat metabolism, 174

salts, fatty acid malabsorption and, 174

Binding, of apolipoprotein E, 190

Bioavailability

of folate, 154

vitamin D and obesity, 690

Biochemical markers, bone loss attenuation and, 844

Bioelectrical impedance

acquired immunodeficiency syndrome and, 496

analysis, measuring lean body mass and, 1053

Biological markers, in acquired immunodeficiency

syndrome, 496

Biological models, 1063 (Letter)

Biosphere 2, energy metabolism and, 946

Birth order, risk factors for increased adiposity, 378

Birth outcomes, iron during pregnancy, 272S

Birth weight

adolescent pregnancy and, 1542

among African Americans, 335 (Editorial)

infant growth patterns and, 1010

risk factors for increased adiposity, 378

Bitter compounds, 1424

Blacks, estimates of body fat in, 348

Blood coagulation, cocoa and, 30

Blood glucose, physiologic function and, 1503

Blood lipids, dietary fats and, 1384S

Blood pressure, salt restriction and, 414

BMD. See Bone mineral density

BMI. See Body mass index

Body composition

acquired immunodeficiency syndrome and, 496

adolescent pregnancy and, 1542

adult celiac disease patients and, 76

AIDS wasting and, 1053

anthropometric prediction models, 796

body mass index and, 694

celiac disease patients and, 937

changes in, 401

childhood to adolescence, 1018

in childhood celiac disease, 71

in cystic fibrosis, 407

in pregnancy, 780

metabolic factors in obesity, 1088

overweight and, 1186

preschool children and, 15

Body fat

cognitive eating restraint and 837

distribution, cataract in men and, 1495

estimates of, 348

guidelines, body mass index and, 694

in children, 490

preschool children and, 15

Body fluid compartments, acquired immunodeficiency syndrome and, 496

Body mass index

childhood to adolescence, 1018

definition of overweight in transition, 1074

of Spanish children, 1399S

overweight and, 1186

risk factors for increased adiposity, 378

waist-to-hip ratio and, 1436

Body weight, childhood to adolescence, 1018

Body-composition change, methods for assessing, 401

Bone density

dairy foods and, 681

isoflavone-rich soy and, 844

Bone fractures

dairy foods and, 681

vitamin D deficiency and, 1529

Bone maintenance, soy and, 679 (Editorial)

Bone marrow transplantation, parenteral nutrition and, 181

Bone mass, dairy foods and, 681

Bone mineral content

calcium requirements and, 579S

cognitive eating restraint and 837

dairy foods and, 681

in perimenopausal women, 844 supplement withdrawal and, 745

Bone mineral density

alcohol and, 1206

calcium requirements and, 579S supplement withdrawal and, 745

Bone remodeling, 1206

Bone turnover

supplement withdrawal and, 745

Vitamin K supplementation and, 1523

Book Reviews

Cholesterol-Lowering Therapy: Evaluation of Clinical Trial Evidence, edited by Scott M Grundy, 1594

Food Hypersensitivity and Adverse Reactions, edited by Marianne Frieri and Brett Kettelhut, 207

Handbook of Pediatric Nutrition, 2nd ed, edited by PQ Samour, KK Helm, and CE Lang, 1065

Nutrition, A Topics in International Health CD-ROM, edited by the Wellcome Trust, 1243

Nutrition and Immunity in Man, Lillian Langseth, 857

Nutrition and Immunology: Principles and Practice, edited by M Eric Gershwin, J Bruce German, and Carl L Keen, 1594

Bowel function, polydextrose and, 1503

Branched-chain amino acids

central nervous system fatigue and, 573S in chronic obstructive pulmonary disease, 1480

Brazil

nutritionally stunted children, 702

stunting and energy requirements of children, 1025

Breast milk

cytokine release and, 1202

fat needs of children in developing countries, 1253S

Breast-feeding

cytokine release and, 1202

dietary fats and cholesterol, 1384S

fat intake during, 1354S

growth and, 159

intelligence quotient and, 1063 (Letter)

serum leptin concentrations and, 484

Breast-milk feeding, intelligence quotient and, 1063 (Letter)

Breath-hydrogen test, yogurt and, 1474

C-reactive protein, serum retinol and, 1170

C-reactive protein, vitamin A and, 146

Caco-2 cells

iron and, 770

iron treatment and, 677 (Editorial)

Calcitropic hormones, calcium metabolism and, 168

Calcium

absorption, 675 (Editorial)

dietary protein and phosphorus, 758

efficiency of, 466

bone mass and, 745

deposits, the development of atherosclerosis and, 1297S

homeostasis, vitamin D deficiency and, 472

intake among physicians, 969

metabolism, low dietary protein and, 168

requirements, physical activity and, 579S

vitamin D deficiency and, 1529

Calorimetry, 369

Camden Study, leptin and maternal growth, 1542

Cancer

cigarettes and carotenoids and, 1421 (Editorial)

dietary fat and, 1291S

dietary guidelines for men and, 1223

dietary guidelines for women and, 1214

isoflavones and, 395

phytonutrients and, 1424

vitamin C status and, 139

Cancer prevention

dietary guidelines for men and, 1223

isoflavones and, 395

Cancer risk, garlic consumption and, 1047

Capillary blood, retinol measurement, 450

Carbohydrates

central nervous system fatigue and, 573S

cognitive performance and, 825

dietary fat and plasma CETP concentration, 36

diets, 1135

physical activity and, 512S

type 2 diabetes and, 439

Carbon isotopes, nitrogen utilization and, 954

Cardiovascular disease

cocoa and, 30

dietary guidelines for men and, 1223

dietary guidelines for women and, 1214

flavonoids and, 1150

fruit and vegetable intake and, 922

homocysteine and, 315, 324

in postmenopausal women, 389

isoflavones and, 395

phytonutrients and, 1424

prevention, dietary guidelines for men and, 1223

risk, homocysteine and, 333 (Editorial)

risk factors, 1142

risk of death from stroke and, 476

vitamin C status and, 139

Carnitine

exercise and, 618S

questions to ask, 538S

α-Carotene

cigarette smoking and, 1576

lung cancer and, 901 (Editorial)

β-Carotene

bioconversion, vitamin A status and, 455

cigarette smoking and, 1576

dark-adaptation threshold and, 1004

Carotenoids

bioconversion of, 455

cigarettes and cancer and, 1421 (Editorial)

insulin resistance and, 776

Case-based curriculum, nutrition in the, 890S

Cataract, in men, 1495

Catechin, platelet inhibition by, 1150

Catecholamine, plasma fatty acids and, 723

CD62P, 30

Celiac disease

body composition and nutritional status in, 937

body composition and, 71

gluten-free diet treatment, 76

β Cells, glucose regulation and, 825

Central fatigue, nutrition and, 573S

Cephalopelvic disproportion, 291S

Cereals, 856 (Letter)

type 2 diabetes and, 439

CETP. See Cholesterol ester transfer protein

Chemoprotection, 1424

Childhood nutrition, and adult diseases, 1291S

Children

body composition and, 71

diet and body composition of, 15

dietary fat intake and body mass index in (Spanish), 1399S

effects of oral zinc on diarrhea, 1516

energy and fat intakes of, 1343S

fat intake of, 1246S, 1354S (Chilean), 1384S (German), 1392S

fat needs in developing countries, 1253S

food-based dietary guidance for, 1404S

genetic polymorphisms and dietary response in, 1275S

growth and body composition in cystic fibrosis of, 407

growth and body composition of, 1455

high trunk fat mass in, 490

homocysteine in, 1469

lipid and macrophages in arteries of, 1297S

nutritional status (in China) of, 1368S

obesity in, 1285S

pediatric nutritional risk score, 64

postprandial lipids in, 1119

risk of obesity, 702

secular trend in growth in Japanese, 1379S

serum lipids in, 384

STRIP and, 1316S

stunting and energy requirements of, 1025

tracking of body mass index in, 1018

vitamin A status in, 1164

westernization of blood cholesterol in, 1266S

China

dietary fat and serum cholesterol in children of, 1373S

nutritional status of children in, 1368S

polydextrose and physiologic function, 1503

tracking of body mass index in, 1018

Chocolate

coronary heart disease and, 1059 (Letter)

platelet activation and, 30

Cholesterol

absorption, metabolic syndrome and, 82

dietary fat and, 36, 1373S, 1384S

ester transfer protein, dietary fat, 36

β-glucan and, 49

in children, 384

in Japanese children, 1379S

insulin sensitivity and, 1111

medium-chain triacylglycerols and, 1583 (Letter)

prenatal exposure to famine and, 1101

synthesis, metabolic syndrome and, 82

type 2 diabetes and, 439

westernization of, 1266S

Cholesteryl ester transfer protein, 1275S

Choline, HIV progression and, 809

Chromium, physical activity and, 585S

Chronic disease prevention, dietary guidelines for men and, 1223

Chronic ethanol feeding, 190

Chronic obstructive pulmonary disease

branched-chain amino acids, 1480

malnutrition in, 1415 (Editorial)

Cigarettes

cancer and carotenoids and, 1421 (Editorial)

smoking, and serum micronutrients, 1576

Clinical competence, nutrition education and, 868S

Cobalamin deficiency, cognitive function and, 762

Cocoa beverage, platelet activation and, 30

Coffee consumption, homocysteine in blood and, 1107

Cognition, glucose regulation and, 825

Cognitive function, cobalamin deficiency, 762

Cognitive restraint, bone health and, 837

Cohort studies

risk factors for increased adiposity, 378

risk of lung cancer, 990

Colon function, psyllium seed husk and, 784

Colonic fermentation, polydextrose and, 1503

Colorectal cancer, garlic consumption and, 1047

Colostrum

gastrointestinal disorders and, 5

vascular endothelial growth factor in, 1196

Columbia University Biomarkers Study, 1119

Computed tomography, midthigh fat, 708

Computer-assisted instruction, 868S

Conicity index, high trunk fat mass and, 490

Constipation, psyllium seed husk and, 784

Consultative Meeting on Iron and Maternal Mortality in the Developing World, 301S, 308S (Discussions)

COPD. See Chronic obstructive pulmonary disease

Copper, HIV progression and, 809

Coronary arteries

atherosclerosis in youth, 1307S

disease, isoflavones and, 395

lipid and macrophages in, 1297S

Coronary heart disease, 190

chocolate and, 1059 (Letter)

fat intakes of German children and, 1392S

postprandial lipids in, 1119

risk in men, 912

STRIP and, 1316S

Cow-milk formula, cytokine release and, 1202

Creatine uptake, exercise performance and, 607S

Critically ill patients, de novo lipogenesis in, 940

Crossover experiment, coffee consumption and homocysteine, 1107

CRP. See C-reactive protein

Cryptoxanthin, cigarette smoking and, 1576

Curriculum, nutrition education, 877S, 868S

Curriculum reform, nutrition in, 890S

Curriculum theme, enhancing nutrition education, 877S

Cystathionine

human one-carbon metabolism and, 1535

in premature baboons, 1548

Cysteine

antioxidant status and, 181

in premature baboons, 1548

metabolism of, 751

sex-related differences in, 22

Cystic fibrosis

fluid and electrolyte supplementation, 564S growth and body composition in, 407

Cytokines, n-3 fatty acid-rich foods and, 42

Dairy food, bone health and, 681

Dairy protein, amino acid requirements, 112

Dark adaptation, vitamin A and β-carotene supplementation and, 1004

Dark vision, vitamin A and β-carotene supplementation and, 1004

De novo lipogenesis, in critically ill patients, 940

Debittering processes, 1424

Dehydration, fluid and electrolyte supplementation, 564S

4-Desmethylsterols, effect on lipoproteins, 1510

Densitometry, body fat estimates and, 348

Deuterated retinol dilution, 455

Deuterium oxide, 407

Developing countries

children's fat needs in, 1253S

effects of oral zinc on diarrhea, 1516

maternal mortality in, 241S

overweight among preschool children, 1032

stunting and energy requirements of children, 1025

Developing world

iron and maternal mortality in, 272S

program implications, 301S

research needs and designs, 308S (Discussion)

nutrition and maternal mortality in, 212S

Development, dietary fats and cholesterol and, 1384S

Diabetes, protein and, 89

Diarrhea, effects of oral zinc on, 1516

Diarrheal disease, effects of oral zinc on, 1516

Diet

adult diseases and, 1291S

Australian Aborigines, 1361S

bitter taste and, 1424

chronic disease and, 1214

chronic disease in men and, 1223

composition, preschool children and, 15

effects of salt restriction on, 414

fat intakes of German children, 1392S

fat-reduced, 1135

genetics and obesity and, 1285S

quality of

chronic disease in men and, 1223

chronic disease in women and, 1214

risk of death from stroke and, 476

toxemia and, 298S

vogurt and, 1474

Dietary calcium, bone health and, 681

Dietary carbohydrates

nitrogen utilization and, 954

24-h substrate oxidation and, 1461

Dietary cholesterol, genetic polymorphisms and, 1275S

Dietary factors, coffee consumption, and 1107

Dietary fat

activity and fat oxidation, 131

adult diseases and, 1291S

body mass index in Spanish children and, 1399S

cholesterol and, 1384S

efficacy and safety of lowering, 1332S

genetic polymorphisms and, 1275S

intake of youths, 1343S

lipid responsiveness and, 56

metabolism, 174

plasma CETP concentration, 36

preschool children and, 15

westernization of, 1266S

Dietary fatty acids, oxidation of, 905

Dietary fiber

antroduodenal motility and, 1040

physiologic function and, 1503

psyllium seed husk and, 784

24-h substrate oxidation and, 1461

Dietary fructose, plasma lipids and, 1128

Dietary glucose, plasma lipids and, 1128

Dietary guidance, consumption of energy-dense and nutrient-poor foods, 929

Dietary Guidelines for Americans, chronic disease in men and, 1223

Dietary guidelines

chronic disease in men and, 1223

chronic disease in women and, 1214

in transition, 1074

Dietary intakes, childhood to adolescence, 1018

Dietary Intervention Study in Children, 1332S

Dietary patterns

cardiovascular disease risk and, 912

consumption of energy-dense and nutrient-poor foods, 929

Dietary phosphorus, calcium absorption and, 758

Dietary polyphenols, platelet function, 30

Dietary protein

calcium absorption and, 758

calcium metabolism and, 168

nitrogen utilization and, 954

dietary fats and cholesterol and, 1384S

Dietary reference intakes, 598S

for the elderly, 529S

Dietary requirements, of the elderly, 529S

Dietary restriction, aging and, 816

Dietary saturated fat, genetic polymorphisms and, 1275S

Dietary sodium, effects of, 414

Dietary supplements

exercise performance and, 624S

of (-)-hydroxycitrate, 1445

questions to ask, 538S

recommended dietary allowance of, 507S

Dietary surveys, of Spanish children, 1399S

Digestion, of resistant starch, 432

1,25(OH)₂D, vitamin D deficiency and, 472

1,25-Dihydroxyvitamin D, vitamin D deficiency and, 472

4-4'-Dimethylsterols, effect on lipoproteins, 1510

Disability

Hispanic elders with diabetes, 89

older women and, 1529

Disease, overnutrition and undernutrition in, 533S

Divalent metal transporter 1, 770

DMT-1. See Divalent metal transporter 1

DNA damage, measurement, 1082

DNA methylation

gene expression and, 903 (Editorial)

folate depletion and, 998

DNA polymorphisms, dietary response and, 1275S

Docosahexaenoic acid, biochemical effects of, 42

Dopamine, central nervous system fatigue and, 573S

Doubly labeled water

energy requirements and, 1558

growth and body composition and, 1455

- DRI. See Dietary reference intake
- Dried blood spots, measurement of retinol in, 450
- Dual-energy X-ray absorptiometry, 401
- body composition and, 71
- body fat estimates and, 348
- fat mass and, 490
- measuring lean body mass and, 1053
- DXA. See Dual-energy X-ray absorptiometry
- Eating restraint, bone health and, 837
- Echinacea, the role of botanicals, 339
- Eclampsia, role of nutrition in, 298S
- Editorials
- Addressing research questions with national survey data-the relation of vitamin A status to infection and inflammation, 1069
- Antioxidants and stroke, 337
- Birth weight, socioeconomic class, and adult adiposity among African Americans, 335
- Cigarettes, cancer, and carotenoids: a continuing, unresolved antioxidant paradox, 1421
- Colorful cancer prevention: α-carotene, lycopene, and lung cancer, 901
- Defining overweight and obesity: what are the issues? 1067
- Defining the steps of the folate one-carbon shuffle and homocysteine metabolism, 1419
- Effects of alcohol consumption on bone metabolism in elderly women, 1073
- Fat cat(aract), 1417
- Folate, DNA methylation, and gene expression: factors of nature and nurture, 903
- Homocysteine and cardiovascular risk, 333
- Human milk, fatty acids, and the immune response: a new glimpse, 1071
- Iron treatment and human intestinal Caco-2 cells, 677
- Is impaired folate absorption a factor in neural tube defects? 3
- It's more than an apple a day: an appropriately processed, plantcentered dietary pattern may be good for your health, 899
- Malnutrition in chronic obstructive pulmonary disease, 1415
- Provocative relation between soy and bone maintenance, 679
- Searching for the determinants of intestinal calcium absorption, 675
- When does hyporetinolemia mean vitamin A deficiency? 1
- Education, nutrition as a theme, 882S
- Efficacy
 - in treatment of IBS, 1570
 - of lower dietary fat intake, 1332S
- Eicosanoids, biochemical effects of, 42
- Eicosapentaenoic acid, biochemical effects of, 42
- Elderly
 - bone mineral density, 745
 - folate depletion in, 998
 - metabolism and the, 529S
 - renutrition and aging, 816
 - subjects, glucose regulation and cognition, 825
 - vitamin K supplementation in, 1523
 - women, bone metabolism in, 1206
- Emphysema, branched-chain amino acids, 1480
- Endurance, mineral nutrition and, 585S
- Endurance training, lipid metabolism and, 558S
- Energy conservation, Biosphere 2 and, 946
- Energy density, satiety in men and, 361

- Energy deposition, of infants and toddlers, 1558
- Energy expenditure
- carbohydrates and, 1461
- comparisons, 1135
- growth and body composition and, 1455
- in lean and obese women, 369
- metabolic factors in obesity, 1088
- of children, 1246S
- of infants and toddlers, 1558
- of nonexercise activity, 1451
- preschool children and, 15
- risk of obesity, 702
- Energy intake
- growth and body composition and, 1455
- of children, 1373S
- of youths, 1343S
- preschool children and, 15
- satiety in men and, 361
- STRIP and, 1316S
- Energy metabolism, nutritional modifiers of, 533S
- Energy requirements
 - fat intake and, 1246S
 - of infants and toddlers, 1558
- stunting and, 1025
- Energy restriction, energy metabolism and, 946
- Energy, needs of children in developing countries, 1253S
- Energy-dense foods, consumption of, 929
- Enteral nutrition
 - de novo lipogenesis and, 940
 - fiber and, 1040
- Enterohepatic circulation, 174
- Environmental tobacco smoke, and serum micronutrients, 1576
- Ephedra, exercise performance and, 624S
- **Epidemiology**
 - meta-analyses of garlic and cancer, 1047
- risk of lung cancer and, 990
- Ergogenic aids, exercise performance and, 624S
- Errata, 1066, 1242
- Erythrocyte incorporation, adaptation in iron absorption, 982
- Essential fatty acids, 1253S
- Estrogen, calcium absorption and, 758
- Ethanol, HIV progression and, 809
- Ethnicity, estimates of body fat in girls, 348
- Ethnobiology, the role of botanicals, 339
- Exercise, 598S
 - as a metabolic stressor, 512S
 - dietary supplements for, 541S
 - effects of herbal supplements on, 624S
 - endurance, iron status and, 594S
 - glycogen synthesis, 106
 - in postmenopausal women, 401
 - lipid metabolism and, 558S
 - older women and, 708
 - oxidative stress methodology and, 670S
 - performance, creatine ingestion and, 607S
 - protein supplements and, 551S
 - supplemental carnitine and, 618S
 - training, dietary supplements for, 541S
- vitamin E and vitamin C and, 647S
- Exertion, as a metabolic stressor, 512S
- Exogenous carbohydrate oxidation, carbohydrates
 - and, 1461

Faculty development, enhancing nutrition education, 877S

Familial factors, serum lipids and, 384

Famine, prenatal exposure to, 1101

Fat

balance, in lean and obese women, 369 carbohydrate balances and, 1239 (Letter)

energy ratio, during childhood, 1354S

needs of children in developing countries, 1253S

overfeeding of, 369

Fat intake

energy requirements and, 1246S

in Hong Kong Chinese children, 1373S

nutritional status of children in China and, 1368S

obesity and, 203 (Letter)

of children, 1404S

of German children, 1392S

of Japanese children, 1379S

STRIP and, 1316S

Fat mass

adult celiac disease patients and, 76

AIDS wasting and, 1053

Fat oxidation

(-)-hydroxycitrate supplements and, 1445

dietary fat. 131

risk of obesity and, 702

Fat-free mass, 708

adult celiac disease patients and, 76

AIDS wasting and, 1053

cognitive eating restraint and, 837

Fatigue, thiols and, 653S

Fatty acids

catecholamine and, 723

composition, infant nutrition and, 1202

exercise and, 558S

immune response and, 1071 (Editorial)

prandial pattern and, 421

serum cholesterol in children and, 1373S

n-3 Fatty acid-rich foods, biochemical effects of, 42

n-3 Fatty acids

biochemical effects of, 42

effect in postmenopausal women, 389

trans-Fatty acids, oxidation of, 905

Fatty diets, 853 (Letter)

Fatty streaks, atherosclerosis in youth, 1307S

Fecal anaerobes, physiologic function and, 1503

Fecal ferritin, adaptation in iron absorption, 982

Fecal sulfide, dietary protein and, 1488

Female adolescents, body fat estimates of, 348

Fermentation

dietary protein and, 1488

psyllium seed husk and, 784

Ferritin, vitamin A status and, 1164

Ferrous bisglycinate, an iron fortificant, 1592 (Letter)

Fetal growth

prenatal exposure to famine and, 1101

restriction, adolescent pregnancy and, 1542

retardation, infant growth patterns and, 1010

Fetal origins, prenatal exposure to famine and, 1101

Fetal size, maternal mortality and, 212S

Fidgeting, energy expenditure and, 1451

Filter paper, retinol measurement, 450

Finland

STRIP and, 1316S

trends in waist-to-hip ratio, 1436

FINRISK Study, trends in waist-to-hip ratio, 1436

Fish oil

effect on serum lipids, 389

lipid peroxidation and, 714

oxidation of plasma proteins, 731

Flavonoids

orange juice and, 1095

platelet inhibition by, 1150

Fluid redistribution, for exercise heat stress, 564S

Foam cells, the development of atherosclerosis and, 1297S

Folate

absorption, neural tube defects and, 3 (Editorial)

anemia in pregnancy and, 247S

DNA methylation and gene expression, 903 (Editorial)

DNA methylation, 998

homocysteine and, 1469

homocysteine metabolism and, 1419 (Editorial)

intake, homocysteine and lifestyle factors and, 1156

neural tube defect and, 154

orange juice and, 1095

sulfur amino acid metabolism and, 751

Folic acid

cardiovascular disease and, 315

homocysteine and lifestyle factors and, 1156

Food balance data, fat intake during childhood and, 1354S

Food energy, fat intake during childhood and, 1354S

Food guide pyramid

chronic disease in men and, 1223

chronic disease in women and, 1214

Food intake

pediatric nutritional risk score, 64

satiety in men and, 361

Food volume, satiety and, 361

Food-based dietary guidelines, 1404S

Food-frequency questionnaire

cardiovascular disease risk, 912

dietary guidelines for women and, 1214

risk of death from stroke and, 476

youth-adolescent, 1455

accuracy of, 1234 (Letter)

Formula, serum leptin concentrations and, 484

Formula feeding

dietary fats and cholesterol, 1384S

fat intake during, 1354S

Fractures, bone mineral density, 745

Free radicals, 647S

exercise and, 670S

research methodology, exercise and, 670S

Fructooligosaccharides, in irritable bowel syndrome, 1570

Fructose, overfeeding of, 369

Fruit

intake of and cardiovascular disease, 922

risk of lung cancer and, 990

vitamin A and, 455

Functional foods, 1424

Garcinia camoogia, 1445

Garlic, cancer prevention and, 1047

Gastric emptying, nitrogen utilization and, 954

Gastrointestinal disease, treatment of, 5

Gastrointestinal function, aging and, 529S

Gastrointestinal tract, milk-derived peptide growth factors and, 5

Gene expression, folate and DNA methylation, 903 (Editorial)

Genetics, diet and obesity and, 1285S

Genomic DNA, folate depletion and, 998

Genotype, children with cystic fibrosis, 407

Germany, fat intakes of children in, 1392S

Gestational age

infant growth patterns and, 1010

overweight and, 1186

Gestational hypertension, 780

Ginseng, exercise performance and, 624S

Girls

estimates of body fat in, 348

stunting and energy requirements of, 1025

GLP-1. See Glucagon-like peptide 1 [7-36] amide

Glucagon-like peptide 1 [7-36] amide, 1111

β-Glucan, atherogenic lipoproteins and, 49

Gluconeogenesis, de novo lipogenesis and, 940

Glucose

cognitive performance and, 825

digestion of resistant starch, 432

disposal, plasma antioxidants and, 776

overfeeding of, 369

prandial pattern and, 421

production, de novo lipogenesis and, 940

regulation, cognitive performance and, 825

tolerance, cognitive performance and, 825

Glutamine

dipeptides, 790

insulin secretion and, 96

supplementation, 790

Glutathione

antioxidant status and, 181

exercise and, 653S

HIV progression and, 809

in selenium-deficient PKU and HPA patients, 976

therapy, in premature baboons, 1548

Glutathione peroxidase, in selenium-deficient PKU and HPA patients, 976

Gluten-free diet

adult celiac disease patients and, 76

body composition in childhood celiac disease, 71

celiac disease patients and, 937

Glycemic index

digestion of resistant starch, 432

physiologic function and, 1503

type 2 diabetes and, 439

Glycerol, exercise and, 558S

Glycogen depletion, 106

Glycogen synthase, postexercise muscle, 106

Glycoprotein IIB-IIIa complex, platelet activation and, 30

Glycosylation, of apolipoprotein E, 190

Green tea catechin, 1232 (Letter)

Growth

dietary fats and cholesterol and, 1384S

during adolescent pregnancy, 1542

effects of diet and physical activity on, 521S

fat intake during childhood and, 1354S

in children with cystic fibrosis, 407

infant feeding and, 159

monitoring, of preschool children, 1032

of children in developing countries, 1253S

of Spanish children, 1399S

patterns in infants, 1010

potential, effects of diet and physical activity on, 521S

STRIP and, 1316S

Gymnastics, effect on growth and pubertal development, 521S

HCA. See (-)-Hydroxycitrate

HDL cholesterol

dietary fat and, 36

effect of a fish-oil on, 389

fat intake during childhood and, 1354S

orange juice and, 1095

predictors of, 1119

HDL. See High-density lipoproteins

Health Professionals Follow-up Study, cardiovascular disease risk. 912

Health surveys, energy and fat intakes, 1343S

Healthy adults

dietary fructose and plasma lipids, 1128

β-glucan and atherogenic lipoproteins, 49

24-h lysine kinetics, 122

wheat protein utilization, 112

Healthy eating index

chronic disease in men and, 1223

chronic disease in women and, 1214

Healthy men

glycogen synthesis, 106

insulin secretion and, 96

Healthy subjects, digestion of resistant starch, 432

Healthy volunteers, antroduodenal motility and fiber, 1040

Healthy weight, definition in transition, 1074

Heart disease

dietary guidelines for men and, 1223

isoflavones and, 395

nutrient-gene interactions, 1266S

vitamin-mineral supplements and, 969

Heart rate variability, plasma fatty acids and, 723

Heated yogurt, short-chain fatty acids and, 1474

Hegsted equation, 1266S

Height, cataract in men and, 1495

Hematocrit

adaptation in iron absorption, 982

HIV progression and, 809

Heme iron, absorption from food, 982

Hemoglobin

abnormally high or low in pregnancy, 272S

adaptation in iron absorption, 982

iron during pregnancy, 265S

Hemostasis, cocoa and, 30

Herbal supplements, inflammation and, 339

Herbs, exercise performance and, 624S

HFE, 770

High-calorie foods, consumption of 929

High-carbohydrate diets, plasma lipoprotein lipids and, 1061 (Letter)

High-density lipoproteins, 190

genetic polymorphisms and, 1275S
High-fat diet, fat and carbohydrate balances, 1239 (Letter)
Hispanics, type 2 diabetes and, 89
History, of maternal mortality, 241S
HIV
infection

BIA phase angle as predictive marker in, 496 selected nutrients and, 809 progression, selected nutrients and, 809 measuring lean body mass in, 1053

HIV-1 infection, selected nutrients and, 809

Homocysteine

cardiovascular disease and, 315

cardiovascular risk and, 324, 333 (Editorial)

consumption of energy-dense and nutrient-poor foods, 929

folate and lifestyle factors and, 1156

folate depletion and, 998

human one-carbon metabolism and, 1535 metabolism, coffee consumption and, 1107 metabolism, folate and, 1419 (Editorial) metabolism of, 751

orange juice and, 1095 plasma concentrations, 22

plasma vitamin B-12 and folate and, 1469

Hong Kong, dietary fat and serum cholesterol in children of, 1373S

Hormone replacement therapy, in postmenopausal women, 389 Hormones, physical activity and, 512S

Hospital-acquired malnutrition, pediatric nutritional risk score, 64

HPLC, retinol measurement, 450

Human milk

immune response and, 1071 (Editorial) vascular endothelial growth factor in, 1196

Human skeletal muscle, creatine ingestion and, 607S

adaptation in iron absorption, 982

dietary effects of salt restriction, 414 dietary fat and plasma CETP concentration, 36

effect of plant sterols on lipoproteins, 1510

folate depletion in, 998 heart rate variability, 723

Hunger, carbohydrates and, 1461

Hunter-gatherer diets, 1584 (Letter)

macronutrient estimations in, 1589 (Letter)

Hydrogen peroxide, platelet inhibition and, 1150

(-)-Hydroxycitrate, metabolism and, 1445

25(OH)D, vitamin D deficiency and, 472

25-Hydroxyvitamin D

obesity and, 690

vitamin D deficiency and, 472

25-Hydroxyvitamin D₃, 690

Hypercholesterolemia, orange juice and, 1095 Hyperhydration, for exercise heat stress, 564S

Hyperphenylalaninemia, antioxidant and thyroid status in, 976

Hypertension, salt restriction and, 414

Hypohydration, for exercise heat stress, 564S

Hyporetinolemia, vitamin A and, 1 (Editorial)

Indirect calorimetry, energy expenditure of nonexercise activity, 1451 Indonesia, vitamin A and acute phase proteins, 146 Infant mortality, maternal mortality and, 241S

Infant nutrition

growth patterns and, 1010

sulfur amino acid metabolism and, 751

Infants

effects of oral zinc on diarrhea, 1516

energy requirements of, 1558

fat intake of, 1246S

fat intakes of (German), 1392S

fat needs in developing countries, 1253S

growth status of, 159

leptin concentrations in, 484

lipid and macrophages in arteries of, 1297S

nutrition and cytokine release, 1202

overweight and, 1032

serum transferrin receptor in, 1191

STRIP and, 1316S

sulfur amino acid metabolism and, 751

Infection

in pregnancy, 247S

on dietary patterns and nutrition and, 1361S

vitamin A and, 146

vitamin A status and, 1170

Inflammation, vitamin A status and, 1170

Insulin

glucose regulation and, 825

glycogen synthesis, 106

in chronic obstructive pulmonary disease, 1480

prandial pattern and, 421

resistance

cognitive performance and, 825

de novo lipogenesis and, 940

low cholesterol absorption, 82

plasma antioxidants and, 776

secretion, amino acid-induced, 96

sensitivity, effect of dietary fats on, 1111

Intact parathyroid hormone, vitamin D and, 472

Integrated nutrition curriculum, 890S

Intergenerational effects, nutrition and obstructed labor, 291S

Interleukin 1, infant nutrition and, 1202

Intermeal interval, definitions of, 421

Intestinal absorption

iron and, 770

nitrogen utilization and, 954

Intestinal bacteria, dietary protein and, 1488

Intestinal injury, treatment of, 5

Intestinal morphometry, aging and, 816

Intestinal villi, 1196

Intralipid, heart rate variability, 723

Intramuscular triacylglycerol, 558S

Iodine deficiency, mental performance and, 1179

Iowa Women's Health Study, risk of death from stroke and, 476

absorption, adaptation in, 982

anemia in pregnancy and, 247S

Caco-2 cells and, 770

deficiency, 963

adaptation in iron absorption, 982

anemia, in Mexican American females, 963

during pregnancy, 272S

exercise and, 594S

ratio of transferrin receptor to ferritin and, 1191

fortification, in pregnancy, 257S intake among physicians, 969 maternal mortality and, 212S needs during pregnancy, 265S requirements in pregnancy, 257S supplementation

during pregnancy, 272S heme-iron and, 982

iron deficiency anemia and, 963

Irritable bowel syndrome, fructooligosaccharides in, 1570

Ischemic heart disease dietary fat and, 1291S risk factors of, 1119 Isoflavones, 1424

as antioxidants in humans, 395 bone loss attenuation and, 844

F₂-Isoprostanes

isoflavones and, 395 plasma MDA and, 714

Isotope dilution, body fat estimates and, 348

Isotope labeling, detection of impaired intestinal absorption, 174 Italy, dietary fats and cholesterol in, 1384S

Japan

changes in eating patterns of, 1379S serum cholesterol in children, 1266S Junk foods, consumption of 929

Kinetics, differences in methionine and plasma homocysteine, 22

Lactating breast, 1196

Lactation, vitamin A and β-carotene supplementation, 1004 Lactobacillus, physiologic function and, 1503

Lactose malabsorption, yogurt and, 1474

Lathosterol, weight loss, 82

Latin America, fat intake during childhood, 1354S

Lauric acid, oxidation of, 905

Laxation, psyllium seed husk and, 784

LDL and VLDL peroxidation, 1142

LDL cholesterol

dietary fat and, 36

effect of a fish-oil on, 389

efficacy and safety of lowering, 1332S

fat intake during childhood and, 1354S

B-glucan and, 49

LDL oxidation, resistance to, 395

LDL receptor

fat intake during childhood and, 1354S genetic polymorphisms and, 1275S

Lean and obese women, macronutrient disposal in, 369

Lean body mass, AIDS wasting and, 1053

Lecithin:cholesterol acyl transferase, 1275S

Length, of US-born infants, 159

Leptin

concentrations in infants, 484

during adolescent pregnancy, 1542

prandial pattern and, 421

Letters to the Editor

Accuracy of food-frequency questionnaires, 1234

All cereals may not be equal, 856

Amino acid losses during intradialytic parenteral nutrition, 1237

Breast-feeding, breast-milk feeding, and intelligence quotient, 1063 Effects of polyunsaturated fatty acids on psychiatric disorders, 1241

Fat and carbohydrate balances during adaptation to a

high-fat diet, 1239

Fatty diets are unhealthy—even those based on monounsaturates, 853

High-carbohydrate diets, physical activity, and plasma lipoprotein lipids, 1061

Hunter-gatherer diets—a shore-based perspective, 1584

Is fat intake important in the public health control of obesity? 203

Is oleic acid or squalene the important preventive agent? 502

Macronutrient estimations in hunter-gatherer diets, 1589

Medium-chain triacylglycerols may not raise cholesterol, 1583

Modulation of obesity by a green tea catechin, 1232

No advantage of using ferrous bisglycinate as an iron fortificant, 1592

No evidence for a link between consumption of chocolate and coronary heart disease, 1059

Olive oil: more than just oleic acid, 853

On the biological activity of vitamin E, 201

Physiologically meaningful biological models, 1063

Salt consumption during the nutrition transition in South Korea, 199

There is still more to learn about soy, 1588

Where is the glutamine? Intradialytic supplementation may not solve all issues in amino acid balance, 1236

Leucine

amino acid requirements, 112

glycogen synthesis, 106

human one-carbon metabolism and, 1535

in chronic obstructive pulmonary disease, 1480

insulin secretion and, 96

Lifestyle

folate and homocysteine and, 1156

trends in waist-to-hip ratio, 1436

Limb circumference, anthropometric prediction models, 796

Linoleic acid, oxidation of, 905

Linolenic acid, oxidation of, 905

α-Linolenic acid, biochemical effects of, 42

Linseed oil, sesamin and, 804

Lipid

emulsion, heart rate variability, 723

hydroperoxides, insulin resistance and, 776

oxidation, 731

peroxidation, 647S

F2-isoprostanes and, 714

insulin resistance and, 776

resistance to, 395

profile, prenatal exposure to famine and, 1101

regression, the development of atherosclerosis and, 1297S

supplementation, exercise and, 558S

Lipids

and lipoproteins, dietary fat and, 56

of German children, 1392S

Lipogenesis, enteral carbohydrates and, 940

Lipoic acid, exercise and, 653S

Lipolysis, exercise and, 558S

Lipopolysaccharides, sesamin and, 804

Lipoprotein lipase, 1275S

Lipoproteins, orange juice and, 1095

Live bacterial cultures, yogurt and, 1474

Longitudinal studies, of children with cystic fibrosis, 407 Low birth weight, adolescent pregnancy and, 1542

Low-density lipoprotein

genetic polymorphisms and, 1275S resistance to oxidation, 395

Low-protein diet, in selenium-deficient PKU and HPA patients, 976

Lower-fat diets, efficacy and safety of, 1332S

Lumbar vertebrae, isoflavone-rich soy and, 844

Lung cancer

α-carotene, lycopene, and, 901 (Editorial) carotenoids intake and, 990

Lutein, cigarette smoking and, 1576

Lycopene

cigarette smoking and, 1576 lung cancer and, 901 (Editorial)

Lysine

amino acid requirements, 112 oral tracer studies and, 122

Macrobiotic diet, cobalamin deficiency, 762 Macronutrient oxidation, high-fat diet and, 131 Macrophages, altered apolipoprotein E in, 190 Magnesium

HIV progression and, 809 physical activity and, 585S Malabsorption syndromes, 174

Malawi, anemia in pregnancy, 247S

Malnutrition

body fat ranges, 694 diarrhea and, 1516

dietary patterns and, 1361S

in chronic obstructive pulmonary disease, 1415 (Editorial)

in patients near death, 355 nutritionally stunted children, 702 pediatric nutritional risk score, 64

screening, pediatric nutritional risk score, 64

Malondialdehyde, plasma MDA and, 714 Manganese, Caco-2 cells and, 770

Margarine, plant sterols in, 1510

Massachusetts Hispanic Elders Survey, type 2 diabetes and, 89

Maternal body mass index, maternal mortality and, 212S

Maternal height, maternal mortality and, 212S

Maternal mortality

historical trends in, 241S nutrition and, 212S

toxemia and, 298S

Maternal weight, maternal mortality and, 212S

Maximal oxygen consumption, fat reduction, 708

adaptation in iron absorption, 982 fecal sulfide production and, 1488

Medical botanicals, inflammation and, 339

Medical education

getting nutrition into, 868S nutrition as a theme 882S

Medical nutrition, development of curriculum, 890S

Medical school curriculum, nutrition as a theme 882S

Medical students

integrated nutrition curriculum for, 890S nutrition education and, 868S

Mediterranean-type diet, dietary fat and plasma CETP concentration, 36

Medium-chain triacylglycerol

exercise and, 558S

cholesterol and, 1583 (Letter)

Memory, glucose regulation and, 825

Men

cardiovascular disease risk and, 912

cataract in, 1495

comparison of diets, 1135

dietary fat and plasma CETP concentration, 36

dietary guidelines for, 1223 dietary protein and, 1488

n-3 fatty acid-rich foods and, 42

food volume and satiety in, 361

prandial pattern and, 421 yogurt and, 1474

Men and women

risk of lung cancer and, 990

trends in waist-to-hip ratio, 1436

Menarche, maternal mortality and, 212S Menopause, bone loss attenuation and, 844

Mental performance, iodine status and, 1179

Meta-analysis

effects of oral zinc on diarrhea, 1516

of garlic and cancer, 1047

Metabolic rate

after energy restriction, 946

nutritional modifiers of, 533S nutritionally stunted children, 702

set-point theory, 1088

Metabolism, the elderly and, 529S

Methionine

human one-carbon metabolism and, 1535

metabolism of, 22

Methylenetetrahydrofolate reductase, 1469

cardiovascular disease and, 315

homocysteine and, 324

N-Methylglycine, in premature baboons, 1548

Methylmalonic acid, cognitive function, 762

Mexican females, iron deficiency anemia and, 963

Midupper arm

circumference, of US-born infants, 159

muscle area, type 2 diabetes and, 89

Midwives, maternal mortality and, 241S

Milk

amino acid requirements, 112

bone health and, 681

gastrointestinal disorders and, 5

serum leptin concentrations and, 484

Mineral supplements, physical activity and, 585S

Minerals

in pregnancy, 280S

intake among physicians, 969

intake in Spanish children, 1399S

Mixed-effects model, 407

Modified relative dose response, 738

Monounsaturated fat

intake in Spanish children, 1399S

plasma CETP concentration, 36

type 2 diabetes and, 439

Monounsaturated fatty acids, 714 insulin sensitivity and, 1111 intake during childhood, 1354S Morbidity, hyporetinolemia and, 146

Mortality, vitamin C status and, 139

MTHFR genotype, homocysteine and, 1469

MTHFR. See Methylenetetrahydrofolate reductase

MUFA. See Monounsaturated fatty acids

Multicomponent models, body-composition changes and, 401

Multifrequency bioelectrical impedance analysis, 780

amino acid profile, in chronic obstructive pulmonary disease, 1480 damage, vitamin E and vitamin C and, 647S

glycogen synthesis, 106

metabolism, exercise and, 618S

physical activity and, 512S

protein breakdown, protein supplements and exercise, 551S protein synthesis, protein supplements and exercise, 551S

strength, mineral nutrition and, 585S

thiols and, 653S

Myocardial infarction

dietary guidelines for men and, 1223 fruit and vegetable intake and, 922

Myristic acid, oxidation of, 905

National Cholesterol Education Program Step I diet, 36 National Health and Nutrition Examination Survey, 1343S Native Americans, the role of botanical medicine, 339

NEAT. See Nonexercise activity thermogenesis Neonates, sulfur amino acid metabolism in, 751

Nepal, dark adaptation and vitamin A, 1004

Nephrosclerosis, homocysteine and, 324

Neural tube defect

folate and, 154

folate absorption and, 3 (Editorial)

Newborn intestine, 1196

Newborns

overweight and, 1186

vitamin D deficiency and, 472

NHANES. See National Health and Nutrition Examination Survey

NHANES II. See Second National Health and Nutrition

Examination Survey

NHANES III. See Third National Health and Nutrition **Examination Survey**

Night blindness, vitamin A and β-carotene supplementation, 1004 Night vision, vitamin A and β-carotene supplementation and, 1004 Nitrogen balance

protein supplements and exercise, 551S wheat protein utilization, 112

Nitrogen isotopes, utilization, 954

Nitrogen metabolism, 954

Non-Hispanic white females, iron deficiency anemia and, 963

Non-Hispanic whites, type 2 diabetes and, 89

Nonexercise activity thermogenesis, 1451

Nonheme iron, absorption from food, 982

Nonobese adults, anthropometric prediction models, 796

Nonspecific immune response, aging and, 816

Nonsteroidal antiinflammatory drugs, gastrointestinal disorders and, 5

intake, STRIP and, 1316S requirements, 507S

antioxidants and, 507S

effect of physical activity on, 598S

maternal mortality and, 212S

the elderly and, 529S

Nutrient-poor foods, consumption of, 929

Nutrition

adolescent pregnancy and, 1542

central nervous system fatigue and, 573S

chronic disease and, 1214

chronic disease in men and, 1223

dietary patterns and, 1361S

effects of oral zinc on diarrhea, 1516

effects on growth and pubertal development, 521S

exercise and, 653S

gastrointestinal disorders and, 5

in the medical school curriculum, 882S

in toxemia, 298S

iron deficiency anemia, 963

maternal mortality and, 212S, 241S

metabolic stressors and, 512S

micronutrients in pregnancy, 280S

serum lipids and, 384

Nutrition curriculum, in the medical school curriculum, 882S

Nutrition education

medical schools and, 868S

faculty development and, 877S

in the medical school curriculum, 882S

integrated medical curriculum, 890S

Nutrition screening, malnutrition and, 64

Nutrition surveys, energy and fat intakes, 1343S

Nutritional assessment

body fat ranges, 694

malnutrition and, 64

of preschool children, 15, 1032

Nutritional deficiency, anemia in pregnancy, 247S

Nutritional dwarfism, 521S

Nutritional intake, and body mass index in Spanish children, 1399S

Nutritional risk, malnutrition and, 64

Nutritional status

and fat intake of children in China, 1368S

celiac disease patients and, 937

consumption of energy-dense and nutrient-poor foods, 929

of children with cystic fibrosis, 407

physical activity and, 585S

type 2 diabetes and, 89

Oat bran, atherogenic lipoproteins and, 49 Obesity

birth weight and, 1186

body fat ranges, 694

childhood to adolescence, 1018

definition in transition, 1074

dietary fat and serum cholesterol in children, 1373S

dietary patterns and nutrition, 1361S

fat reduction, 708

fat-reduced diets and, 1135

fatty acids oxidation, 905

food volume and satiety, 361

gene-diet interactions in, 1285S

(-)-hydroxycitrate and, 1445 in developing countries, 1025 in Japanese children, 1379S in Mexican American females, 963

in preschool children, 1032 in Spanish children, 13998

in women, 369

low cholesterol absorption, 82

metabolic factors in, 1088

nonexercise activity and, 1451

nutritionally stunted children, 702 overweight and, 1067 (Editorial)

preschool children and, 15

prevention, preschool children and, 15

risk factors for increased adiposity, 378

vitamin D and, 690

Observational study, younger and older women, 1156

Obstetric care, maternal mortality and, 212S

Obstructed labor

maternal mortality and, 212S

nutrition and, 291S

Old, renutrition and aging, 816

Older adults, fluid and electrolyte supplementation, 564S

Oleic acid, 502 (Letter) oxidation of, 905

Olive oil, 853 (Letter)

intake in Spanish children, 1399S

Omega-3 fatty acids, effect in postmenopausal women, 389

Operative delivery, maternal mortality and, 212S

Oral tracer studies, lysine and, 122

Orange juice, hypercholesterolemia and, 1095

Osteocalcin, vitamin K and, 1523

Osteoporosis

bone mineral density, 745

Vitamin K supplementation and, 1523

VO2max, fat reduction, 708

Overfeeding, in lean and obese women, 369

Overnutrition, disease states and, 533S

Overweight

birth weight and, 1186

childhood to adolescence, 1018

definition in transition, 1074

in the land of the second

in preschool children, 1032

metabolic factors in, 1088 obesity and, 1067 (Editorial)

preschool children and, 15

Oxidation

fatty acids of, 905

nitrogen utilization and, 954

oral tracer studies and, 122

Oxidative stress

exercise and, 653S

exercise and, 670S

homocysteine and, 315

insulin resistance and, 776

Oxygen consumption

exercise and, 618S

in patients near death, 355

P-selectin, platelet activation and, 30

Pain, malnutrition and, 64

Pakistan, vitamin A status in children, 1164

Palmitic acid, oxidation of, 905

Parathyroid hormone

calcium absorption and, 466

calcium metabolism and, 168

vitamin D and obesity, 690

Parenteral nutrition

amino acid losses in, 1237 (Letter)

antioxidant status and, 181

Passive smoking, and serum micronutrients, 1576

Peak bone mass, calcium requirements and, 579S

Pediatrics, malnutrition and, 64

Peptide growth factor, gastrointestinal disorders and, 5

Percentage body fat, healthy guidelines, 694

Performance, thiols and, 653S

Perimenopausal women

bone loss attenuation and, 844

calcium absorption in, 466

Pharmacokinetics, nitrogen utilization and, 954

Phenolic compounds, 1424

Phenylalanine

glycogen synthesis, 106

insulin secretion and, 96

Phenylketonuria, antioxidant and thyroid status in, 976

Philippines, schoolchildren in, 738

Phosphocreatine, exercise performance and, 607S

Phospholipase C, 1150

Phylloquinone, undercarboxylated osteocalcin and, 1523

Physical activity, 598S

as a metabolic stressor, 512S

calcium requirements and, 579S

dietary supplements for, 541S

energy metabolism and, 946

fat intake and, 1246S

fat oxidation, and a high-fat diet, 131

level, of infants and toddlers, 1558

mineral nutrition and, 585S

plasma lipoprotein lipids and, 1061 (Letter)

preschool children and, 15

Physical fitness, dietary supplements for, 541S

Physical performance, 624S

Physicians, vitamin use among, 969

Physicians' Health Study, cataract in men and, 1495

Phytoestrogen, as antioxidants in humans, 395

Phytonutrients, 1424

Placebo-controlled clinical trial, fructooligosaccharides in IBS, 1570

Placenta, risk factors for increased adiposity, 378

Plant sterols

effect on lipoproteins, 1510

weight loss, 82

Plant-centered diet, 899 (Editorial)

Plantago ovata, laxation and, 784

Plasma glucose

plasma lipids and, 1128

yogurt and, 1474

Plasma insulin, yogurt and, 1474

Plasma lipids

dietary fructose and, 1128

yogurt and, 1474

Plasma retinol, acute phase proteins and, 1164

Dlatalat

activation, cocoa and, 30

adhesion, flavonoids and, 1150

aggregation, 1150

function tests, 30

glycoprotein, cocoa and, 30

Polycythemia, iron during pregnancy, 272S

Polydextrose, physiologic function and, 1503

Polyunsaturated fatty acids, 1202

effects on psychiatric disorders, 1241 (Letter)

insulin sensitivity and, 1111

intake during childhood, 1354S

lipid peroxidation and, 714

Population studies, waist-to-hip ratio in, 1436

Pork, comparison of diets, 1135

Postmenopausal women, 731

body-composition changes in, 401

fat reduction in, 708

lipid peroxidation and, 714

metabolic factors in obesity, 1088

risk of death from stroke in, 476

serum lipids in, 389

Postpartum women, dark adaptation and vitamin A, 1004

Postprandial evaluation, β-glucan and atherogenic lipoproteins, 49

Postprandial lipemia, dietary fat and, 56

Postprandial period, triacylglycerol response, 1119

Poverty index ratio, 963

Power spectral analysis, 723

Practice guidelines, in transition, 1074

Prandial pattern, leptin and fatty acids and, 421

Preatheroma, the development of atherosclerosis and, 1297S

Prediction equations

body fat estimates and, 348

body fat guidelines, 694

Preeclampsia

iron during pregnancy, 272S

role of nutrition in, 298S

Pregnancy

anemia in, 247S

bioelectrical impedance analysis and, 780

iron during, 272S

iron needs during, 265S

iron requirements in, 257S

maternal mortality and, 212S

micronutrients in, 280S

role of nutrition in toxemia, 298S

vitamin A and β-carotene supplementation, 1004

vitamin D deficiency and, 472

Pregnancy-induced hypertension, 1542

Pregnant women, dark adaptation and vitamin A, 1004

Prematurity, parenteral cysteine and glutathione and, 1548

Premenopausal women

bone health and, 837

calcium absorption in, 466

dietary fat and, 56

differences in methionine and plasma homocysteine, 22

Preoperative patients, glutamine kinetics and, 790

Prepubertal children, lower-fat diets in, 1332S

Preschool children

diet composition and body composition in, 15

energy and fat intakes of, 1343S

trends of overweight and, 1032

xerophthalmia and, 146

Prevention, of cancer, 1047

Problem-based learning, nutrition education and, 868S

Prolonged exercise, nutrition and, 573S

Propranolol, 723

Prospective cohort study, risk of death from stroke and, 476

Prospective study, cardiovascular disease risk, 922

Prostaglandins, sesamin and, 804

Prostanoids, sesamin and, 804

Protein

degradation, glutamine kinetics and, 790

diets, 1135

fecal sulfide production and, 1488

hydrolysates, insulin secretion and, 96

metabolism

aging and, 816

nitrogen utilization and, 954

oxidation, EPA or DHA and, 731

quality, wheat protein utilization, 112

supplementation, aging and, 816

synthesis, physical activity and, 512S

turnover, wheat protein utilization, 112

Psychiatric disorders, effects of polyunsaturated fatty acids on,

1241 (Letter)

Psyllium seed husk, laxation and, 784

Public health, questions to ask, 538S

PUFA. See Polyunsaturated fatty acids

Pupil, dark adaptation and vitamin A, 1004

Quercetin, platelet inhibition by, 1150

Race, comparison of body fat, 348

Randomized controlled trial, effects of oral zinc on

diarrhea, 1516

Ratio of transferrin receptor to ferritin, iron deficiency

Rats

apolipoprotein E in, 190

fatty acid malabsorption in, 174

renutrition and aging, 816

sesamin and prostanoids in, 804

RDA. See Recommended dietary allowance

Reactive oxygen species, physical activity and health, 637S

Receiver operating characteristic curve, 490

Recommended dietary allowance

antioxidants and, 507S

calcium and, 168

Recommended dietary allowances

for the elderly, 529S

physical activity and, 598S

Red wine, platelet inhibition and, 1150

Redox, thiols and, 653S

Remethylation

human one-carbon metabolism and, 1535

methionine and plasma homocysteine, 22

Renal function

homocysteine and, 315

homocysteine and, 324

Repair, gastrointestinal tract, 5

Requirements

micronutrients in pregnancy, 280S

of iron during pregnancy, 265S

of iron in pregnancy, 257S

Resistant starch, digestion of, 432

Respiratory function tests, for children with cystic fibrosis, 407

Respiratory quotient, 702

carbohydrates and, 1461

exercise and, 618S

Resting energy expenditure, in patients near death, 355

Resting metabolic rate, adult celiac disease patients and, 76

Retinol

acute phase proteins and, 146

acute phase response and, 1170

carotene bioconversion and, 455

cigarette smoking and, 1576

measurement in dried blood spots, 450

Reverse cholesterol transport, 190

Review

bitter taste and phytonutrients, 1424

dairy foods and bone health, 681

gene-diet interactions in obesity, 1285S

inflammation and medical botanicals, 339

nutrition and gastrointestinal disorders, 5

Riboflavin, effect of physical activity on, 598S

Rice bran oil, plant sterols in, 1510

Risk factors

atherosclerosis in youth, 1307S

coffee consumption and homocysteine, 1107

for increased adiposity, 378

of ischemic heart disease, 1119

Risk score, malnutrition and, 64

Roman Catholic nuns, calcium absorption and, 758

Safety, of lower dietary fat intake, 1332S

Salt

consumption, in South Korea, 199 (Letter)

restriction, effects of, 414

Satiety

effects of air on, 361

the intermeal interval, 421

Saturated fat

intakes of German children, 1392S

plasma CETP concentration, 36

School-age children, vitamin A and, 455

Schoolchildren

mental performance of, 1179

vitamin A deficiency, 738

Search, enhancing nutrition education, 877S

Second National Health and Nutrition Examination Survey, vitamin C status, 139

Secular trend

in growth, in Japanese children, 1379S

waist-to-hip ratio and, 1436

Sedentary lifestyle, changes in (in Japanese children), 1379S

Selenium deficiency, antioxidant and thyroid status in, 976

Sensory evaluation, 1424

Septic shock, 804

Serine hydroxymethyltransferase, human one-carbon

metabolism and, 1535

Serotonin, central nervous system fatigue and, 573S

Serum albumin, type 2 diabetes and, 89

Serum carotenoids, consumption of energy-dense and

nutrient-poor foods, 929

Serum cholesterol, effect of plant sterols on, 1510

Serum ferritin

adaptation in iron absorption, 982

in infancy, 1191

Serum insulin, dietary fructose and, 1128

Serum parathyroid hormone, bone mineral density, 1206

Serum vitamins, consumption of energy-dense and

nutrient-poor foods, 929

Sesamin, linseed oil and, 804

Set-point theory, 1088

Sex hormone binding globulin, low cholesterol absorption, 82

Sex

differences in methionine and plasma homocysteine, 22

serum leptin concentrations and, 484

SFT. See Stimulator of iron transport

Shantytowns, stunting and energy requirements of children, 1025

Sheanut oil, plant sterols in, 1510

Short-chain fatty acids

physiologic function and, 1503

yogurt and, 1474

Short-term continuous feeding, 804

Sialic acid content, in macrophages, 190

Sialylation, of apolipoprotein E, 190

β-Sitosterol, effect on lipoproteins, 1510

Skeletal muscle, anthropometric prediction models, 796

Skin blood flow, fluid and electrolyte supplementation, 564S

Skin pigmentation, vitamin D deficiency and, 472

Skinfold thickness

adolescent pregnancy and, 1542

anthropometric prediction models, 796

measuring lean body mass and, 1053

of adolescent girls, 348

risk factors for increased adiposity, 378

Sleeping metabolic rate, of infants and toddlers, 1558

Smoking, vitamin C status and, 139

Socioeconomic class, among African Americans,

335 (Editorial)

Socioeconomic factors, for increased adiposity, 378

Sodium, effects of, 414

South Asians, vitamin D deficiency and, 472

Soy protein, comparison of diets, 1135

Soy, 1588 (Letter)

bone loss attenuation and, 844

bone maintenance and, 679 (Editorial)

isoflavone phytoestrogens in, 395

Spain

dietary fat

plasma CETP concentration and, 36

intake and body mass index in, 1399S

serum cholesterol in children, 1266S

Special Turku Coronary Risk Factor Intervention Project for

Babies, 1316S

Spinal cord injury, fluid and electrolyte supplementation, 564S

Squalene, 502 (Letter)

Stable isotope dilution, 455

Stable isotopes

carbohydrates and, 1461

detection of impaired intestinal absorption, 174

digestion of resistant starch, 432

exercise and lipid metabolism, 558S

folate absorption, 154

glutamine kinetics, 790

preschool children and, 15 wheat protein utilization, 112 Stearic acid, oxidation of, 905 Stimulator of iron transport, 770

Stomach cancer, garlic consumption and, 1047

Strategies, meeting iron requirements, 257S

STRIP. See Special Turku Coronary Risk Factor Intervention Project for Babies

Stroke

antioxidant vitamins, 476 antioxidants and, 337 (Editorial) dietary fat and, 1291S

dietary guidelines for men and, 1223

Stunting

energy requirements and, 1025 nutritional, 702

Substrate oxidation, adult celiac disease patients and, 76

Substrate utilization, carbohydrates and, 1461

nitrogen utilization and, 954 overfeeding of, 369 Sulfide, dietary protein and, 1488

Sulfur amino acids dietary protein and, 1488 sex-related differences in, 22

Sunlight, vitamin D and obesity, 690 Sunshine, vitamin D and, 472

Supplement withdrawal, bone mass and, 745

Supplementation exercise and, 551S

maternal mortality and, 212S nutrition and obstructed labor, 291S

of iron during pregnancy, 265S

Supplements, physical activity and health, 637S Survival analysis, HIV infection and, 496

Sweating, fluid and electrolyte supplementation, 564S

Tanning bed, bioavailability of vitamin D, 690 TBARS. See Thiobarbituric acid-reactive substances The Netherlands, prenatal exposure to famine in, 1101 Therapy, meeting iron requirements, 257S

Thermogenesis, comparison of diets, 1135 Thermoregulation, fluid and electrolyte supplementation, 564S

Thiamine, effect of physical activity on, 598S

Thiobarbituric acid-reactive substances, 714, 731, 1142 Third National Health and Nutrition Examination Survey, 159 consumption of energy-dense and nutrient-poor foods, 929 iron deficiency anemia, 963

serum retinol and CRP in, 1170 Three-Factor Eating Inventory, 837

Thromboembolism, homocysteine and, 315

Thrombosis, lipid and macrophage accumulations in, 1297S

Thyroid hormones

metabolic factors in obesity, 1088

status in selenium-deficient PKU and HPA patients, 976

a-Tocopherol

cigarette smoking and, 1576 exercise and, 647S

γ-Tocopherol, cigarette smoking and, 1576 Tocopherols, insulin resistance and, 776

Toddlers, energy requirements of, 1558

Total body potassium, AIDS wasting and, 1053

Total body water, of children with cystic fibrosis, 407

Total cholesterol

effect of a fish oil on, 389

fat intake during childhood and, 1354S

Total parenteral nutrition, 790

Total-body electrical conductivity, body composition in cystic fibrosis, 407

in pregnancy, maternal mortality and, 212S role of nutrition in, 298S

Trace elements

in pregnancy, 280S

physical activity and, 585S

Tracking, of body mass index, 1018

Training, thiols and, 653S

Transferrin receptor, in infancy, 1191

Transsulfuration, human one-carbon metabolism and, 1535

Trends, energy and fat intakes, 1343S

Triacylglycerols

associations of familial and nutritional factors, 384

effect of a fish oil on, 389

genetic polymorphisms and, 1275S

B-glucan and, 49

insulin sensitivity and, 1111

physical activity and, 512S

postprandial response, 1119

fat intake during childhood and, 1354S

Triceps skinfold thickness of US-born infants, 159 overweight and, 1186

Triterpene alcohols, 1510

Trunk fat, in children, 490 Tryptophan, central nervous system fatigue and, 573S

Tumor necrosis factor, infant nutrition and, 1202

Tumor necrosis factor a, sesamin and, 804

Type 1 diabetes mellitus

vascular endothelial growth factor and, 1196 vitamin E supplementation in, 1142

Type 2 diabetes

breakfast cereals and, 439

effect of dietary fats on, 1111

low cholesterol absorption, 82

ucOC. See Undercarboxylated osteocalcin

Ultrasound gastric emptying, 1040

Ultraviolet radiation, bioavailability of vitamin D, 690

Unavailable carbohydrates, 24-h substrate oxidation and, 1461

Undercarboxylated osteocalcin, vitamin K and, 1523

Undernutrition

children, 702

disease states and, 533S

prenatal exposure to famine and, 1101

Underwater weighing, body-composition changes and, 401

Underweight, childhood to adolescence, 1018

United Kingdom, vitamin A status in children, 1164

United States, energy and fat intakes of youth in the, 1343S

Urinary iodine concentration, in schoolchildren, 1179

Urinary sulfate, dietary protein and, 1488

Uterine rupture, maternal mortality and, 212S

Variation, calcium absorption, 466 Vascular endothelial growth factor in milk and breast, 1196 receptors, in milk and breast 1196

Vegan diet, cobalamin deficiency, 762

Vegetables

risk of lung cancer and, 990 vitamin A and, 455

Vegetarian

children, dietary fat and serum cholesterol, 1373S diet, cobalamin deficiency, 762

VEGF. See Vascular endothelial growth factor Venous blood, retinol measurement, 450

Very-low-density lipoprotein, genetic polymorphisms and, 1275S

Vitamin A

acute phase proteins and, 146
acute phase response and, 1170
anemia in pregnancy and, 2478
carotene bioconversion and, 455
dark-adaptation threshold and, 1004
deficiency
Filipino schoolchildren and, 738

method validation in, 450 fortification, Filipino schoolchildren and, 738 hyporetinolemia and, 1 (Editorial)

intake among physicians, 969

Vitamin A status acute phase proteins and, 1164

infection and inflammation, 1069 (Editorial)

Vitamin B-6

effect of physical activity on, 598S sulfur amino acid metabolism and, 751

Vitamin B-12

anemia in pregnancy and, 247S homocysteine and, 1469 sulfur amino acid metabolism and, 751

Vitamin C

exercise and, 647S orange juice and, 1095 physical activity and health, 637S supplements, 963

Vitamin D

bioavailability of, 690 bone mass and, 745 calcium metabolism and, 168

deficiency, in older women, 1529

receptor polymorphisms, 466 Vitamin D₃, obesity and, 690

Vitamin E

biological activity, 201 (Letter) exercise and, 647S

intake among physicians, 969 physical activity and health, 637S postmenopausal women and, 731

type 1 diabetes and, 1142

Vitamin K, undercarboxylated osteocalcin and, 1523 Vitamin supplements, younger and older women, 1156 Vitamins

in pregnancy, 280S

intake among physicians, 969 intake in Spanish children, 1399S risk of lung cancer and, 990 Vitiligo, vitamin D deficiency and, 472

Waist circumference, trends in, 1436
Waist-to-hip ratio
determinants of, 1436
high trunk fat mass and, 490
Wasting, lean body mass and, 1053
Web site, enhancing nutrition education, 877S
Weight, of US-born infants, 159
Weight loss
(-)-hydroxycitrate and, 1445
low cholesterol absorption, 82

metabolic factors in, 1088
pediatric nutritional risk score, 64
West Africa, iodine status in, 1179
Wheat bran, atherogenic lipoproteins and, 49
Wheat flour, vitamin A-fortified, 738
Wheat protein, amino acid requirements, 112

White women, dietary fat and, 56 Whites, estimates of body fat in girls, 348

Whole-blood flow cytometry, 30 Whole-body bone mineral density, 837

Women

anemia in pregnancy, 247S bioelectrical impedance analysis in, 780 cardiovascular disease risk, 922 chronic disease and, 1214 folate and pregnancy, 154 folate depletion in, 998 homocysteine, folate, and lifestyle factors and, 1156 iron requirements in pregnancy, 257S REE in patients near death, 355 vitamin D deficiency in, 1529 vitamin use among physicians, 969 Women Physicians' Health Study, 969

Women's Health Study, cardiovascular disease risk, 922 Wrestling, effect on growth and pubertal development, 521S

Xerophthalmia, hyporetinolemia and, 146

Yogurt, short-chain fatty acids and, 1474
Young adults
atherosclerosis in, 1307S
lipid and macrophages in arteries of, 1297S
Young children, growth status of, 159
Young healthy men, fat oxidation, 131
Young healthy women, calcium metabolism and, 168
Youth-Adolescent Food-Frequency Questionnaire, growth and body composition during puberty, 1455

Zeaxanthin, cigarette smoking and, 1576

Caco-2 cells and, 770
effects on diarrhea, 1516
HIV progression and, 809
deficiency, diarrhea and, 1516
maternal mortality and, 212S
physical activity and, 585S
supplementation, effects on diarrhea, 1516

Author Index Volume 72

Bell EA, 361

Abbasi F. 776 Adams K, 868S Addolorato G, 76 Adlercreutz H. 395 Aebischer C-P, 751 Agostoni C, 1384S Ajami AM, 122 Alamgir S, 1010 Alberg AJ, 1576 Alderson NL, 573S Alekel DL, 844 Allen LH, 1593 Allen RH, 1548 Ames BN, 714 Anderson EJ, 1053 Anderson GH, 1404S Andersson S, 1205 Andreoli A, 780 Antelman G, 1010 Arab L, 1047 Arifeen SE, 1010 Armstrong EG, 877S Ascherio A. 337, 912, 1223 Astrup A, 853, 1144 Ategbo EA, 1188 Atkin L-M, 15 Aubert R, 421

Bailey LB, 154, 998 Baker CE, 466 Baker H. 809 Balhorn KE, 1215 Bang-yao L, 1503 Bantle JP, 1128 Baqui AH, 1010 Barbieri M. 723 Bardella MT, 937 Barera G. 71 Barker DJP, 1101 Barton BA, 1332S Basile-Filho A, 122 Bauer T. 202 Baumgartner TG, 1535 Beard JL, 594S, 677 Beaton GH, 265S Beaufrère B. 816 Beaumier L, 122 Beccio S, 71 Beil A, 751

Augustin JL, 1235

Benamouzig R, 954 Bendich A, 969 Beresford SAA, 324 Berglund L, 1119 Bergman GF, 181 Berman DM, 708 Bermudez OI, 89 Berrier F, 64 Berry EM, 1211 Bhutta ZA, 1516 Bialostosky K. 1343S Bianchi C, 71 Bianchi PA, 937 Bier DM, 1245S, 1410S Binkley NC, 1523 Bird SM, 1516 Bissé E. 751 Black RE, 1010, 1516 Blaner WS, 1119 Bleichrodt N. 1188 Bleker OP, 1101 Blew RM, 401 Bloom SR, 1111 Blössner M. 1032 Blumberg JB, 181 Boddie AM, 154 Bogden JD, 809 Boileau RA, 679 Borchers AT, 339 Borgonha S, 122 Borum PR, 538S Boston RC, 378 Bothwell TH, 257S Bouchard C, 1285S Bouin M, 1040 Boulier A, 355 Bowey EA, 395 Bowlus CL, 770 Boyle LL, 407 Brambilla P. 71 Brass EP. 618S Brattström L, 315

Bray GA, 131, 204, 905, 1238

Briefel RR, 1343S

Brown KH, 1516

Bruening K, 809

Brusset M-C. 64

Brynes AE, 1111

Bucci LR, 624S

Bueno M. 1399S

Buring JE, 922 Burrows B. 1053 Butte NF, 348, 1246S, 1558 Cabal-Barza MA, 455 Caballero B, 1242 Caggiula AW, 466 Capristo E. 76 Carlson JL, 181 Carpén O, 1205 Carroll MD, 1343S Caseria DM, 168 Casey A. 607S Castaneda C. 89 Castillo-Duran C, 1354S Castro P, 36 Cauley JA, 466 Caulfield LE, 139, 1010 Cayeux C, 940 Celestini A, 1159 Cerda JJ, 998 Chabert M. 421 Chambon-Savanovitch C, 816 Champagne CM, 905 Chapelot D, 421 Charron M, 466 Chassagne J. 816 Chavali SR, 804 Chen T. 940 Chen TC, 690, 1576 Chevalier A, 1474 Chioléro R. 940 Christen WG, 1495 Christian P, 738, 1004 Chunming C. 1368S Clark PA, 521S, 1455 Clarkson PM, 637S Cleland LG, 42 Clohessy A, 49 Cogswell ME, 963 Colditz GA, 990, 1135 Cole SR, 922 Colker CM, 1588 Colomb V, 64 Comstock GW, 1576 Congdon NG, 1004 Connor SL, 56 Connor WE, 56, 1060

Bülow I. 1165

Bulux J, 450

Beisenherz A, 496

Cook JD, 1200

Cook RJ, 1419
Cooksey K, 868S
Corcoran C, 1053
Cordain L, 1585, 1589
Couch SC, 1119, 1266S
Coward WA, 1025
Coyle EF, 512S
Craft NE, 450, 738
Craig SAS, 1503
Cross AT, 1266S
Cummings JH, 1488
Cunnane SC, 1584
Cuskelly GJ, 1535
Cynober L, 816

Dallal GE, 745 Darnell BE, 1080 Darnton-Hill I, 738 Davidson F, 209S Davies DDP, 1373S Davies PSW, 15 Davis JM, 573S Dawson-Hughes B, 745 De Gaetano A, 76 de Graaff R, 432 de Jonge L, 131, 1238 De Leeuw I, 1151 De Lorenzo A, 780 de Nascimento C, 1025 de Onis M, 1032 Deckelbaum RJ, 1119, 1266S Dedlow ER, 154 DeLany JP, 905 Delvin EE, 1469 Demasi M, 42 DeMera RS, 207 Denis P, 1040 Dennis KE, 708 Denniston M, 969 Denny T, 809 Deutz NEP, 1480 Di Vetta V, 1461 Dietz WH, 335 Dokoupil K, 1392S DoNascimento CA, 776 Drewnowski A, 1424 Dreyfuss ML, 1004 Druml W. 1240 Du S-H, 714, 731 Ducrotté P, 1040 Dulloo AG, 1233

Eaton SB, 1585, 1589
Ebenstein D, 22
Edwards CM, 1111
Eisinger W, 146
El-Khoury AE, 122
Elia M, 496
Ellis KJ, 348
Elzinga H, 432
Engelen MPKJ, 1480
Engelen W, 1151
Engelke JA, 1523
Erdman JW Jr, 679, 1588
Etherton TD, 854

Dysken M, 202

Evans WJ, 647S Ezzell L, 1415

Facchini FS, 776

Farges M-C, 816 Feldman EB, 1594 Felgines C, 816 Fereday A, 112 Ferrell RE, 466 Feskanich D, 990, 1135, 1223 Fischer MH, 784 Field CR, 455 Flegal KM, 1087 Fleischauer AT, 1047 Foley AL, 1523 Folsom AR, 476 Forse RA, 804 Frank E. 969 Franklin SYS Jr. 1332S Fredella C. 937 Freeman DJ, 1095 Fried LP, 1529 Frisancho AR, 1195 Frost GS, 1111 Fuentes F, 36 Fukagawa NK, 22

Furr CE, 181

Fürst P, 1236

Gallagher D, 694 Gallagher JC, 1215 Galli C, 853 Galloway JR, 181 Gardner JM, 1516 Garrett E, 1529 Gasbarrini G, 76 Gazzaniga PP, 1159 Ge K, 1018 Genest J Jr. 1469 Georgopoulos A. 1128 Gerhard GT, 56 Gershwin ME, 339 Ghatei MA, 1111 Ghiselli A, 1159 Ghosh P, 190 Gibbs AL, 439 Gibson NR, 112 Gibson RA, 42 Gildengorin G, 1179 Ginsberg HN, 1119 Giovannini M, 1384S Giovannucci E, 990, 1223 Giunta AM, 937 Glynn RJ, 1495 Going SB, 401 Golan D, 1211 Gomez-Carneros C, 1424 Goran MI, 1063 Gordon AG, 1063 Gosselin R, 30 Goswami D, 472 Goswami R, 472 Goulding A, 490 Gracev M. 1361S Granot E, 1211

Greco AV, 76

Greenhaff PL, 607S Greenwood CE, 825 Gregory JF III, 154, 1535 Griffith DP, 181 Grinspoon S, 1053 Gudmand-Høyer E, 1570 Guédon C, 1040 Guillaume M, 384 Gupta N, 472 Guralnik JM, 1529 Gylling H, 82

Hagedoorn RE, 432 Hai-wei L, 1503 Hale EA, 190 Hallberg L, 1592 Halliwell B. 1074 Halmesmäki E, 1205 Han S. 809 Hankinson SE, 1495 Hannum S, 1588 Hanson KB, 844 Hardman AE, 1061 Hark LA, 890S Harper IT, 946 Harris SS, 745 Hartmuller VW, 1332S Haskell WL, 541S Hasler ClM, 1588 Hassid J. 355 Hautvast JGAJ, 1188 Havel PJ, 484 Havinga R, 174 Hayes KC, 1583 Hazelwood D, 1004 Heaney RP, 466, 758 Heber D, 901 Hediger ML, 159 Heinz CJ, 1558 Hellot M-F, 1040 Helzlsouer KJ, 1576 Hennekens CH, 922, 1325, 1495 Hensrud DD, 1080 Heo M, 694, 796 Herderick EE, 1307S Hertrampf E, 1200 Heymsfield SB, 694, 796 Hidayat A, 1516 Higdon JV, 714 Hiipakka RA, 1232 Hoerr RA, 1594 Hoffman DJ, 702, 1025 Hoffman SC, 1576 Holick MF, 690 Holub BJ, 389 Hopkinson JM, 1558 Horowitz JF, 558S Houtkooper LB, 401 Howard AN, 82 Hu FB, 912, 1059, 1135 Huang S-Y, 1239 Hubbard VS, 1067 Hughes R, 1488 Hulsewé KWE, 790 Hulthén L, 1592

Humphrey J, 1004

Hulthén L, 1592 Humphrey J, 1004 Humphreys MH, 776 Hunsberger SA, 1332S Hunt JR, 982 Hunter DJ, 1135 Hunter GR, 1080 Hutson AD, 998

Insogna KL, 168 Isasi CR, 1119

Jacob RA, 903 Jacobs DR Jr. 899 Jadhav A, 1111 James MI 42 Jamil A. 1173 Jansen S. 36 Janssen I. 796 Järvinen RMK, 414 Jebb SA, 694 Jenkins RR, 670S Jensen GL, 1415 Jensen MD, 1451 Jéquier E, 940, 1461 Jie Z, 1503 Jiménez-Perepérez J, 36 Johnson BA, 1529 Johnson WS, 5 Jokinen E. 1316S Jonas CR, 181 Jones DP, 181 Jones IE, 490 Jordan J. 1095

Kabir M. 1474 Kajs TM, 784 Kalivianakis M. 174 Kalman DS, 1588 Kaluski D, 1119 Kant AK, 929 Kanter M, 504S Kao Y-H, 1232 Kaplan RJ, 825 Karmally W, 1119 Katan MB, 1107, 1510 Katz SH, 378 Kauwell GPA, 154, 998 Kawchak DA, 407 Kayden HJ, 201 Keen CL, 30, 339 Keenoy BM, 1151 Keim NL, 837 Keller E. 1392S Kemp FW, 809 Kerstetter JE, 168 Kesteloot H. 199 Khan LK, 963 Khatry SK, 1004 Khatun F, 1516 Kida K, 1266S Kierman M, 541S Kim S, 200

Kimm FA, 1332S

Klag MJ, 139

Klein S, 558S

Klemm RDW, 738 Kloser P. 809 Knudsen N, 1165 Kochupillai N. 472 Koffman RG, 877S Kohlmeier M. 868S Koletzko B. 1392S Konje JC, 291S Koop CE, 503S Korhonen MH, 414 Krall EA, 745 Kremer G. 496 Kris-Etherton PM, 854, 1059 Krueger DC, 1523 Kruijshoop M, 106 Krumdieck CL, 681 Kuczmarski RJ, 1087 Kuipers F, 174 Kuller LH, 466 Kumar Marwaha R, 472 Kurowska EM, 1095

Kwiterovich PO Jr, 1275S, 1332S

Kushi LH, 476

Ladipo OA, 280S, 291S Lagström H, 1316S Lahti-Koski M, 1436 Lakshman MR, 190 Lam CWK, 1373S Lambert A, 384 Lambert M. 1469 Lan Y, 146 Lapidus L, 384 Lapinleimu H, 1316S Lasser NL, 1332S Lauer RM, 1245S, 1332S, 1410S Laurberg P, 1165 Law M, 1291S Lazaro A. 1399S Lee I-M, 922 Lee RC, 796 Lee WTK, 1373S Lello S, 780 Lenti L, 1159 Leonard MB, 378 Letsky EA, 247S Leung SSF, 1373S Levine JA, 1451 Li W, 809 Li Y, 450 Liao S, 1232 Liu J. 714 Liu S, 856, 922 Lloyd J, 809 Lo C. 882S Lohman TG, 401 Lönnerdal B, 484, 770 López-Miranda J, 36 López-Segura F, 36 Loria CM, 139 Loudon I, 241S Louis-Sylvestre J, 421 Louria DB, 809 Louwman MWJ, 762

Lovegrove JA, 49

Lu Z, 690

Luengo C, 954 Lui SSH, 1373S Lukaski HC, 585S Luo H-Y, 1373S Luo J, 1474 Lütschg J, 751

MacCallum T. 946 Macdonald CE. 5 Magee EA, 1488 Magnani F, 780 Mahé S. 954 Mahmud H, 1010 Maillot C, 1040 Maine D. 298S Maines VA, 389 Malcolm GT, 1307S Mallet AI, 395 Mann N. 1585, 1589 Männistö S, 1436 Manore MM, 598S Manson JE, 856, 922 Mantzioris E, 42 Manzella D, 723 Marangoni F, 1384S Marckmann P, 853 Marín C, 36 Mariotti F, 954 Marlett JA, 784 Marmonier C, 421 Marriott BM, 504S Martin JM, 22 Martins PA, 1025 Martorell R, 1516 Mascarenhas MR, 1065 Matsuoka LY, 690 Mayur K. 190 McBurney MI, 439 McCullough ML, 1135, 1223 McDevitt RM, 369 McGill HC Jr. 1307S McMahan CA, 1307S Mehta NR, 1558 Meijer GW, 1510 Menheere PPCA, 1480 Menni L, 71 Merouani A, 1469 Metges CC, 122 Meulemans A, 355 Michaud DS, 990 Miettinen TA, 82 Mikkelsen PB, 1144 Miller JB. 1585, 1589 Millward DJ, 112 Milner M. 946 Milon H, 49, 1461 Milton K, 1586, 1590 Minet J-C, 751 Ming-jie X, 1503 Mingrone G, 76 Minich DM, 174 Mitnick ME, 168 Mize CE, 1354S Moeller S. 1417 Molloy AM, 3

Molteni N. 937

Montain SJ, 564S Mora C, 1237, 1241 Mora S, 71 Moreno LA, 1399S Morrison G, 890S Morrow JD, 714 Morton RL, 1548 Mosser F, 64 Muhilal, 146 Mukherjee S, 1073 Murata M, 1379S Murgatroyd PR, 369, 694 Murgatroyd PR, 369, 694

Nackashi JA, 154 Nagy TR, 1080 Nahar Q, 1010 Natadisastra G, 146 Navarro JF, 1237, 1241 Navitsky RC, 1004 Nestel P. 209S Neumann MA, 42 Newmark HL, 502 Ng M-Y, 1373S Nguyen T. 131, 1238 Nicklas BJ, 708 Niesen B. 1445 Niinikoski H. 1316S Ninh NX, 1516 Normand B, 816 Northrop-Clewes CA, 1173

O'Reilly JD, 395 O'Rourke B, 22 Obarzanek E, 1332S Olesen M, 1570 Oleske JM, 809 Olivares M, 1200 Opalko FJ, 154 Ordovás JM, 36 Osmond C, 1101 Overpeck MD, 159 Ovesen L, 1165

Pacher N, 1474 Packer L, 653S Pacy PJ, 112 Paglieroni TG, 30 Paolisso G. 723 Paracha PI, 1173 Park EJ, 389 Patrie J. 1455 Paul AA, 1253S Paz E. 36 Pearson DA, 30 Pearson TA, 854 Pelkman CL, 854, 1059 Peng X-H, 1373S Penny ME, 1516 Pereira PCM, 122 Perez G, 809 Pérez-Jiménez F, 36 Perfecto CS, 455 Perks SM, 1455 Perrild H, 1165

Perusse L, 1285S

Peterson CT, 844 Pi-Sunyer FX, 533S Piché LA, 1095 Pietinen P. 1436 Pignatelli P. 1159 Pizarro F. 1200 Plaisted C, 868S Playford RJ, 5 Plaza I, 1266S Poisson-Salomon A-S, 64 Poole C. 1047 Popkin BM, 200, 204, 1018 Poppitt SD, 369 Potter SM, 1588 Poulos AM, 1053 Poupard AT, 355

Puckett AB, 181 Pulcinelli FM, 1159 Quintão ECR, 1584

Prampolini L, 937

Printzen G. 976

Propert KJ, 407

Prue AH, 22

Prentice AM, 369, 1253S

Raatz SK, 1128 Radaelli G. 1384S Ragno E, 723 Ramakrishnan U, 963 Rampersaud GC, 998 Rapuri PB, 1215 Rasmussen LB, 1165 Raul F. 816 Ravelli ACJ, 1101 Ravussin E. 946 Reaven GM, 776 Refsum H. 324, 762 Rein D. 30 Reitmayr S, 1392S Revelly J-P, 940 Ribaya-Mercado JD, 455 Richardson CJ, 1488 Ricotti A, 71 Ricour C, 64 Rigaud D, 355 Rimm EB, 912, 990, 1223 Riva E, 1384S Rizkalla SW, 1474 Rizzo MR, 723 Roberts SB, 702, 1025 Roemmich JN, 521S, 1455 Rogol AD, 521S, 1455 Rolls BJ, 361 Romanini C. 780 Römer K, 496 Rönnemaa T, 1316S Rood JC, 131, 1238 Ros E, 1266S Rosado JL, 1516 Roseboom TJ, 1101 Rosner BA, 1135 Ross AC, 1069 Ross R, 796 Roughead ZK, 982

Routi T, 1316S

Rowland IR, 395 Roy H, 131, 1238 Roy SK, 1516 Rozen R, 1469 Ruan WJ, 159 Ruel M, 1516 Rush D, 212S Russell RM, 455, 529S Ryan AS, 708 Ryschon KL, 1215

Sakamoto Y, 694 Salamone LM, 466 Salo P. 1316S Salzberger B, 496 Sanchez AM, 1004 Sanchez L. 738 Sanders TAB, 395 Sandow-Pajewski M, 1455 Saris WHM, 96, 106, 1445 Sarkkinen ES, 414 Sarria A, 1399S Savove G. 1040 Sawaya AL, 702, 1025 Sawka MN, 564S Sazawal S. 1516 Scaglioni S, 1384S Scanlin TF, 407 Schaefer EJ, 1235 Schaumberg DA, 1325 Schleusner SJ, 1451 Schmitz HH, 30 Schneede J. 762 Schneiter P. 940, 1461 Scholl TO, 1542 Schols AMWJ, 1480 Schrauwen P. 1237 Schutz Y. 1461 Schwarz J-M, 940 Schwenk A, 496 Scott JM, 333 Seddon J, 190 Seely S, 856 Semba RD, 146, 1529 Sen CK, 653S Sermet-Gaudelus I, 64 Serratore P. 1095 Shane B, 1535 Shankar A, 1516 Shea S. 1119, 1266S Shen WW, 1239 Sherman MP, 1071 Sichieri R. 203 Simell O, 1245S, 1316S, 1410S Simonen P. 82 Simons-Morton DG, 1332S Skurnick J, 809 Slama G. 1474 Smith EO, 348, 1558 Smith SR, 131, 1238 Smith WK, 1542 Soeters PB, 790 Solomons NW, 450, 857, 1236 Solon FS, 455, 738 Solon JAA, 455

Solon MA, 455

Sparti A, 1461 Speizer FE, 990 Spence JD, 1095 Spiegelman D, 912, 1223 Sproul J, 401 St Germain A, 844 Stabler SP, 1548 Stacpoole PW, 1535 Stallings VA, 378, 407

Stampfer MJ, 912, 1059, 1135, 1223 Stanley T, 1053 Starc TJ, 1119 Stark KD, 389 Stary HC, 1297S Stehle P, 1236 Stein TP, 1542 Stellaard F, 174, 432 Stephensen CB, 1, 1179 Stern JS, 339 Stettler N, 378, 407

Stevens VJ, 1332S Stewart JW, 844 Stillman RJ, 679 Strong JP, 1307S Stuff JE, 348 Su, P, 1239 Suttie JW, 1523 Svastisalee CM, 168 Szeszycki EE, 181

Tabak S, 432
Tallkvist J, 770
Tandon N, 472
Tang G, 455
Tappy L, 940, 1461
Tataranni PA, 76, 946
Taylor A, 1417
Taylor RW, 490
Teixeira SR, 1588
Tershakovec AM, 378
Teuber SS, 207
Thapa MD, 1004
The Zinc Investigators' Collaborative

The Line Investigators' (
Group, 1516
Thomas CMG, 762
Thomas E, 1455
Thomas W, 1128
Thompson HS, 637S
Thurnham DI, 1173
Ting-song W, 1503
Tobin B, 594S
Toda T, 844
Tomé D, 954
Toth JP, 1535
Toubro S, 1144
Tracy RE, 1307S
Troendle JF, 159

Troiano RP, 1343S

Tsihlias EB, 439

Tucker KL, 89, 702, 1025 Tyre C, 181

Uauy R, 1354S Ueland PM, 324, 762 Urgert R, 1107 Utsunomiya T, 804 Uusitupa MIJ, 414

Valdez C, 450

Valensise H, 780
van Acker BAC, 790
van Bakel MME, 976
Van Dam R, 502
van de Vijver FJR, 762, 1188
van den Briel T, 1188
van den Broek NR, 247S
van der Meulen JHP, 1101
van der Vijet A, 1421
van Dusseldorp M, 762
Van Horn L, 1332S
Van Loan MD, 837
van Loon LJC, 96, 106, 1445
van Marken Lichtenbelt WD, 1237

van Rooijen JJM, 1445 van Staveren WA, 762 van Vliet T, 1107 Variyam JN, 1135, 1223 Varricchio G, 723 Varricchio M, 723 Vartiainen E, 1436 Vasson M-P, 816 Vatassery GT, 202 Verhagen H, 96, 1445 Verkade HJ, 174 Verreschi I, 702 Vertommen J, 1151 Viikari J, 1316S

Vissers MN, 1510 Viteri FE, 1593 Volaufova J, 131 Vollset SE, 324 von Meyenfeldt MF, 790 Vonk RJ, 174, 432 Vuorela P, 1205

Violi F. 1159

Visioli F, 853

Wagenmakers AJM, 96, 106, 790, 1445 Walford RL, 946 Walker WA, 865S Walrand S, 816 Walsh M, 1053 Walter T, 1200

Wan Y, 854 Wander RC, 56, 714, 731 Wang SY, 122 Wang Y, 1018, 1059 Wang Z, 796 Waugh BA, 361 Weaver CM, 579S Weimert-Harendza B, 1392S Weinsier RL, 681, 1080 Weiss HL, 1080 Welsh RS, 573S Weltman A, 1455 Wermuth B, 976 West CE, 1188 West KP Jr, 146, 738, 1004 Westerterp KR, 1237

Wetmore S, 1095 Weyer C, 946 Whelton PK, 139 White CW, 1548 Wieland H, 751 Wiesmann UN, 976 Wilcken DEL, 315 Will JC, 963 Willett WC, 206, 502,

Willett WC, 206, 502, 856, 912, 922, 990, 1059, 1061, 1223, 1234, 1135 Williams CM, 49

Williams SM, 490 Windhauser MM, 131, 905, 1238 Winocur G, 825 Winski SL, 1548 Wiseman H, 395 Wisniewski T, 201 Wolever TMS, 439, 825 Wolf RL, 466 Wolfe RR, 551S Wong WW, 348, 1558

Wong W W, 348, 1558 Wood RJ, 675 Wortsman J, 690 Wouters EFM, 1480 Wright A, 1025 Wu LSF, 1004 Wun T, 30 Wurthmann A, 22

Yang Y-X, 432 Ye SQ, 1275S Yip R, 272S Ylikorkala O, 1205 Yochum LA, 476 Young VR, 122

Zachwieja JJ, 131, 1238 Zeisel SH, 507S, 868S Zemel BS, 407, 378 Zhang J, 199 Zhao G, 854, 1059 Zhao H, 1576 Zhong WW, 804 Ziegler TR, 181 Zlotkin SH, 1404S Zock PL, 1107, 1510 Zu-kang Z, 1503

